

**IN THE CLAIMS:**

*Kindly rewrite Claims 1-409 and add Claims 410-418, as follows:*

1-388. (Cancelled)

389. (Currently Amended) A ~~W~~wafer boat preform comprising:  
a wafer boat perform formed of a boat fabrication material selected from a-the group  
 consisting of  
silicon,  
silicon compound comprising at least one silicon atom and in which silicon is a majority,  
silicon and germanium,  
 $\text{Si}_x\text{Ge}_{1-x}$ - $\text{Si}_{x1}\text{Ge}_{1-x1}$  solid solution, wherein  $0 < x1 < 1$ ,  
silicon and Silicon Carbide  $\text{Si}_x(\text{SiC})_{1-x}$ -silicon carbide  $\text{Si}_{x2}(\text{SiC})_{1-x2}$ , wherein  $0.3 < x2 < 1$ ,  
silicon and silicon dioxide  $\text{Si}_{x3}(\text{SiO}_2)_{1-x3}$ - $\text{Si}_x(\text{SiO}_2)_{1-x}$ , wherein  $0 < x3 < 1$ ,  
silicon and ~~any-a~~ ceramic and in which silicon is the majority material,  
silicon and ~~any-an~~ oxide  $\text{Si}_{x4}(\text{Oxide})_{1-x4}$ - $\text{Si}_x(\text{Oxide})_{1-x}$ , wherein  $0 < x4 < 1$ ,  
silicon and ~~any-a~~ metal  $\text{Si}_{x5}\text{M}_{1-x5}$ - $\text{Si}_x\text{M}_{1-x}$ , wherein  $0 < x5 < 1$ ,  
silicon and ~~any-a~~ metal alloy  $\text{Si}_{x6}\text{Al}_{1-x6}$ - $\text{Si}_x\text{Al}_{1-x}$ , wherein  $0 < x5 < 1$ , and  
any combinations thereof between themselves, or made from composite material wherein  
 $0 < x < 1$ .

390. (Currently Amended) The process ~~wafer boat preform of claim 389~~393, wherein  
forming comprises:  
the boat is made by pressing the boat fabrication material within a die having a desired  
shape and form;  
sintering, or melting the pressed boat fabrication material;  
cooling it down the sintered boat fabrication material at a desired cool-down regime; and  
machining it the cooled boat fabrication material to a desired tolerance.

391. (Currently Amended) The wafer boat preform of claim 390~~389~~, wherein the boat fabrication material is powder, ~~and further comprising mixed with organic compounds, and/or inorganic compounds, or both,~~ for shaping purposes.

392. (Currently Amended) The ~~process wafer boat preform of claim 389~~390, wherein the melting or sintering is preceded by at least one or more steps of purging and purification/purifying.

393. (Currently Amended) A process for fabrication of water boat preforms, comprising:

providing a boat fabrication material selected from a the group consisting of

silicon,

silicon and germanium,

$\text{Si}_{x1}\text{Ge}_{1-x1}$  solid solution, wherein  $0 < X1 < 1$ ,

silicon and silicon carbide  $\text{Si}_{x2}(\text{SiC})_{1-x2}$ , wherein  $0.3 < X2 < 1$ ,

silicon and silicon dioxide  $\text{Si}_{x3}(\text{SiO}_2)_{1-x3}$ , wherein  $0 < X3 < 1$ ,

silicon and a ceramic and in which silicon is the majority material,

silicon and an oxide  $\text{Si}_{x4}(\text{Oxide})_{1-x4}$ , wherein  $0 < X4 < 1$ ,

silicon and a metal  $\text{Si}_{x5}\text{M}_{1-x5}$ , wherein  $0 < X5 < 1$ ,

silicon and a metal alloy  $\text{Si}_{x6}\text{A}_{1-x6}$ , wherein  $0 < X5 < 1$ , and

combinations thereof; andsilicon, silicon compound comprising at least one silicon atom, silicon and germanium  $\text{Si}_x\text{Ge}_{1-x}$  solid solution, silicon and silicon carbide  $\text{Si}_x(\text{SiC})_{1-x}$ , Silicon and silicon dioxide  $\text{Si}_x(\text{SiO}_2)_{1-x}$ , silicon and any ceramic, silicon and any oxide  $\text{Si}_x(\text{Oxide})_{1-x}$ , silicon any metal  $\text{Si}_x\text{M}_{1-x}$ , Silicon and any allot  $\text{Si}_x\text{A}_{1-x}$ , any combination between themselves, or made from composite material, wherein  $0 \leq x \leq 1$

forming a wafer boat preform from the boat fabrication material.

394. (Currently Amended) The process of claim 393, ~~further comprising wherein~~  
forming comprises  
 \_\_\_\_\_ extruding the boat fabrication material within a die having a desired shape and form;;  
 \_\_\_\_\_ sintering the extruded boat fabrication material;  
 \_\_\_\_\_ cooling it down the sintered boat fabrication material at a desired cool-down regime;; and  
 \_\_\_\_\_ machining it the cooled boat fabrication material to a desired tolerance.

395. (Currently Amended) The process of claim ~~394~~393, wherein the boat fabrication material is powder.

396. (Currently Amended) The process of claim ~~395~~393, wherein the boat fabrication material is powder, ~~mixed and further comprising with~~ organic materials, or inorganic materials, or both.

397. (Currently Amended) The process of claim ~~394~~390, wherein pressing ~~is done~~  
comprises pressing under reduced or high pressure of inert or reactive gas.

398. (Currently Amended) The process of claim 397, wherein the reactive gas is  
comprises a mixture ~~between of~~ atomic or charged molecular state gas, ~~such as~~ optionally plasma gas, and a neutral inert or reactive gas.

399. (Currently Amended) A process ~~Process~~ for fabrication of a member having the shape of a tube, a plate, or a rod or any other shape or form consisting of, the process comprising:  
 \_\_\_\_\_ providing a material selected from ~~a the~~ group consisting of  
 \_\_\_\_\_ silicon,  
 \_\_\_\_\_ silicon and germanium,

$\text{Si}_{x1}\text{Ge}_{1-x1}$  solid solution, wherein  $0 < X1 < 1$ ,  
 silicon and silicon carbide  $\text{Si}_{x2}(\text{SiC})_{1-x2}$ , wherein  $0.3 < X2 < 1$ ,  
 silicon and silicon dioxide  $\text{Si}_{x3}(\text{SiO}_2)_{1-x3}$ , wherein  $0 < X3 < 1$ ,  
 silicon and a ceramic and in which silicon is the majority material,  
 silicon and an oxide  $\text{Si}_{x4}(\text{Oxide})_{1-x4}$ , wherein  $0 < X4 < 1$ ,  
 silicon and a metal  $\text{Si}_{x5}\text{M}_{1-x5}$ , wherein  $0 < X5 < 1$ ,  
 silicon and a metal alloy  $\text{Si}_{x6}\text{A}_{1-x6}$ , wherein  $0 < X5 < 1$ , and  
 combinations thereof; and silicon, silicon compound comprising at least one  
 silicon atom, silicon and germanium,  $\text{Si}_x\text{Ge}_{1-x}$  solid solution, silicon and silicon carbide  $\text{Si}_x(\text{SiC})_{1-x}$ ,  
 Silicon and silicon dioxide  $\text{Si}_x(\text{SiO}_2)_{1-x}$ , silicon and any ceramic, silicon and any oxide  
 $\text{Si}_x(\text{Oxide})_{1-x}$ , silicon any metal  $\text{Si}_x\text{M}_{1-x}$ , Silicon and any alloy  $\text{Si}_x\text{A}_{1-x}$ , any combination between  
 themselves, or made from composite material, wherein  $0 \leq x \leq 1$   
 forming a tube, a plate, or a rod from the material.

400. (Currently Amended) The process of claim 399, further comprising:  
 heating and melting or sintering the material, ~~made with a~~ preceded with molding the  
material in a mold having a desired shape and form; or  
~~heating and melting or sintering the material,~~ transferring the material to ~~a~~ the mold,  
 solidifying ~~it the material,~~ cooling it down ~~the solidified material~~ at a desired cool-down regime,  
 removing the mold, machining ~~it the cooled down material~~ to ~~a~~ the desired tolerance, and  
 sintering ~~again the cooled down material.~~

401. (Currently Amended) The process of claim ~~400~~399, wherein the material is  
 powder ~~and further comprises mixed with~~ organic materials or inorganic materials.

402. (Currently Amended) The process of claim ~~400~~399, wherein the melting is ~~done~~  
comprises melting in a vacuum chamber.

403. (Currently Amended) The process of claim 400, wherein ~~the melting or sintering is done comprises melting or sintering~~ under reduced or high pressure of inert and reactive gas.

404. (Currently Amended) The process of claim 400, further comprising:  
\_\_\_\_\_ at least one of purging and purifying, before said ~~wherein the melting or sintering is preceded by one or more steps of purging and purification.~~

405. (Currently Amended) The process of claim 399, wherein forming comprises ~~further comprising fabricating a wafer boat member members from said having shape of tube, plate, or rod or any other shape.~~

406. (Currently Amended) The process of claim 405, further comprising:  
\_\_\_\_\_ cutting the member ~~or solidified boat~~ in two along medial lines;  
\_\_\_\_\_ forming openings in cylindrical walls of said member; and  
\_\_\_\_\_ coating and fusing a depositing material on top of ~~base the member~~ material.

407. (Currently Amended) The process of claim 405, further comprising:  
\_\_\_\_\_ forming slots in inward and/or outward ribs or extensions, and forming slots in the ribs or extensions; or  
\_\_\_\_\_ forming boat ends of the boats having with complementary steps to permit connect connection of the boat at least two boats end-to-end in an axial stack or row.

408. (Currently Amended) The process of claim ~~407~~399, ~~further comprising wherein forming comprises:~~  
\_\_\_\_\_ forming a chamber liner, and applying to the chamber liner to a process chamber, and forming a chemical vapor deposition (CVD) station with the process chamber; or;

~~\_\_\_\_\_ halving formed-tubes lengthwise, optionally cutting windows in said halved tubes, slotting inward ribs or extensions in the tubes, or the inner walls are slotted, and forming a vertical boat, and in parallel steps; or~~

~~\_\_\_\_\_ halving tubes lengthwise, optionally cutting windows in said halved tubes, plotting slotting the boat halved tubes, and forming a horizontal boat.~~

409. (Cancelled)

410. (New) A wafer processing boat preform made by a process comprising:  
selecting a silicon material from the group consisting of  $\text{Si}_x(\text{SiC})_{1-x}$ ,  $\text{Si}_x\text{Ge}_{1-x}$ ,  $\text{Si}_x(\text{SiO}_2)_{1-x}$ ,  $\text{Si}_x(\text{Oxide})_{1-x}$ ,  $\text{Si}_x\text{M}_{1-x}$ , and  $\text{Si}_x\text{A}_{1-x}$ , wherein M is a metal, A is a metal alloy, and  $0 < x < 1$ ;

forming a boat preform from said silicon material into a desired shape, wherein forming is selected from the group consisting of

forging at a temperature T,  $200^\circ\text{C} \leq T \leq 1200^\circ\text{C}$ , and at a pressure of up to 1000 ton/cm<sup>2</sup>,

casting, and

extruding at a temperature T,  $200^\circ\text{C} \leq T \leq 1200^\circ\text{C}$ , and at a pressure of up to 1000 ton/cm<sup>2</sup>.

411. (New) A wafer processing boat according to Claim 410, wherein forming comprises forging and selecting comprises selecting  $\text{Si}_x\text{Ge}_{1-x}$ .

412. (New) A wafer processing boat according to Claim 410, wherein forming comprises extruding and selecting comprises selecting  $\text{Si}_x\text{Ge}_{1-x}$ .

413. (New) A wafer processing boat according to Claim 410, wherein forming comprises casting and selecting comprises selecting  $\text{Si}_x\text{Ge}_{1-x}$ .

414. (New) A wafer processing boat according to Claim 410, wherein the silicon material is single crystal silicon.

415. (New) A wafer processing boat according to Claim 410, wherein the silicon material is polycrystal silicon.

416. (New) A wafer processing boat according to Claim 410, wherein the silicon material is granular or amorphous silicon powder.

417. (New) A wafer processing boat according to Claim 410, wherein the silicon material is silicon powder mixed with organic and/or inorganic compounds for shaping.

418. (New) A wafer processing boat according to Claim 410, wherein forming comprises forging in vacuum or at a reduced pressure in an inert or reactive gas atmosphere.